

MPM2D**Solving Linear Systems Graphically****Work Sheet**

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|------------------------------------|---|-----------------------------------|---|---|
| 1. $y = x + 1$
$x + y = 5$ | 2. $3x + 2y = 4$
$x - 3y = 5$ | 3. $x - 2y = 2$
$y = 2x - 4$ | 4. $x - y = 4$
$2x + y + 4 = 0$ | 5. $x + y - 3 = 0$
$x - 2y - 6 = 0$ |
| 6. $8x - 3y = 24$
$2x - 3y = 6$ | 7. $3x + y - 12 = 0$
$x + y - 8 = 0$ | 8. $2x + 3y = 12$
$2x - y = 4$ | 9. $x - y - 5 = 0$
$3x + 4y + 6 = 0$ | 10. $3x + 4y + 12 = 0$
$6x + y - 18 = 0$ |

Ans:

- | | | | | |
|----------|-----------|----------|-----------|------------|
| 1. (2,3) | 2. (2,-1) | 3. (2,0) | 4. (0,-4) | 5. (4,-1) |
| 6. (3,0) | 7. (2,6) | 8. (3,2) | 9. (2,-3) | 10. (4,-6) |

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$3x + 4y + 6 = 0$ | 10. $3x + 4y + 12 = 0$
$6x + y - 18 = 0$ |

Ans:

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|----------|-----------|----------|-----------|------------|
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|-------------------------------------|--|------------------------------------|--|---|
| 11. $y = x + 1$
$x + y = 5$ | 12. $3x + 2y = 4$
$x - 3y = 5$ | 13. $x - 2y = 2$
$y = 2x - 4$ | 14. $x - y = 4$
$2x + y + 4 = 0$ | 15. $x + y - 3 = 0$
$x - 2y - 6 = 0$ |
| 16. $8x - 3y = 24$
$2x - 3y = 6$ | 17. $3x + y - 12 = 0$
$x + y - 8 = 0$ | 18. $2x + 3y = 12$
$2x - y = 4$ | 19. $x - y - 5 = 0$
$3x + 4y + 6 = 0$ | 20. $3x + 4y + 12 = 0$
$6x + y - 18 = 0$ |

Ans:

- | | | | | |
|-----------|------------|-----------|------------|------------|
| 11. (2,3) | 12. (2,-1) | 13. (2,0) | 14. (0,-4) | 15. (4,-1) |
| 16. (3,0) | 17. (2,6) | 18. (3,2) | 19. (2,-3) | 20. (4,-6) |